Creative Enzymes®

L-fucose isomerase

Cat. No. EXWM-5464

Lot. No. (See product label)

Introduction

Description	Requires a divalent metal ion (the enzyme from the bacterium Escherichia coli prefers Mn2+). The enzyme binds the closed form of the sugar and catalyses ring opening to generate a form of open-chain conformation that facilitates the isomerization reaction, which proceeds via an ene-diol mechanism. The enzyme from Escherichia coli can also convert D-arabinose to D-ribulose. The enzyme from the thermophilic bacterium Caldicellulosiruptor saccharolyticus also converts D-altrose to D-psicose and L-galactose to L-tagatose.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.3.1.25
CAS No.	60063-83-4
Reaction	L-fucopyranose = L-fuculose
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.